Listing of the Claims:

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (previously presented) A method for facilitating the delivery of a desired molecule into a target tissue consisting essentially of the steps of:

introducing a molecule into a target tissue comprising a cell;

applying an electric field to the target tissue, the application of the electric field consisting of a single continuous electric field in the range of 1mV/cm to 200V/cm applied for a duration of 200ms to 20 minutes; and

effecting a change in porosity of the cell of the target tissue in response to the application of the electric field, the change in porosity sufficient to facilitate entry of a desired molecule into an interior of the cell.

2. (previously presented) The method recited in Claim 1, wherein the duration of the applying step is in a range of 200ms to 100 sec.

Claims 3-5 (canceled)

6. (previously presented) The method recited in Claim 1, wherein the electric field is a pulse selected from a group of waveforms consisting of square, rectangular, exponentially decaying, exponentially increasing, bipolar, and sinusoidal; waveforms having a nongeometrically characterizable shape; waveforms characterizable by a mathematical function; waveforms characterizable by a mathematical approximation; waveforms with at least one of an AC or a DC offset signal; and waveforms without an AC or a DC offset signal.

7. (canceled)

8. (original) The method recited in Claim 1, wherein the introducing step comprises the step selected from a group consisting of syringe injection, jet injection, oral dosing, transdermal delivery, infusion into tissue, and infusion into a blood vessel.

Claim 9 (canceled)

10. (original) The method recited in Claim 1, wherein the target tissue is selected from a group consisting of skin, tumor, muscle, blood, blood vessel, brain, lymph, liver, pancreas, bone, colon, cardiac, lung, breast, testes, cornea, prostate, and intestine.

Claims 11-20 (canceled)

21. (previously presented) A method for facilitating the delivery of a desired molecule into a target tissue comprising the steps of:

introducing a molecule into a target tissue comprising a cell; and

applying a continuous electric field in the range of 1mV/cm to 200V/cm to the target tissue for a duration of 200ms to 20 minutes to effect a change in porosity of the cell of the target tissue sufficient to facilitate entry of a desired molecule into an interior of the cell.

22. (previously presented) The method recited in Claim 21, wherein the duration of the applying step is in a range of 200ms to 100 sec.

Claim 23 - 24 (canceled)

25. (previously presented) The method recited in Claim 21, wherein the electric field is a pulse selected from a group of waveforms consisting of square, rectangular, exponentially decaying, exponentially increasing, bipolar, and sinusoidal; waveforms having a nongeometrically characterizable shape; waveforms characterizable by a mathematical function; waveforms characterizable by a mathematical approximation; waveforms with at least one of an AC or a DC offset signal; and waveforms without an AC or a DC offset signal.

Claim 26 (canceled)

27. (previously presented) The method recited in Claim 21, wherein the introducing step comprises the step selected from a group consisting of syringe injection, jet

injection, oral dosing, transdermal delivery, infusion into tissue, and infusion into a blood vessel.

28. (previously presented) The method recited in Claim 21, wherein the target tissue is selected from a group consisting of skin, tumor, muscle, blood, blood vessel, brain, lymph, liver, pancreas, bone, colon, cardiac, lung, breast, testes, cornea, prostate, and intestine.